

WHAT IS CLAIMED IS:

1. An information device comprising:
a flexible display unit capable of displaying
information having page information in units of pages;
a detection unit configured to detect at least one of a
bending direction, an amount of bending, and a duration that
the display unit is bent; and
a scroll determination unit configured to determine
whether page scrolling has been input based on the detected
at least one of the bending direction, the amount of bending,
and the duration that the flexible display unit is bent, and
for updating the information output on the display unit when
it is determined that page scrolling has been input.
2. An information device according to Claim 1, wherein
a speed at which the information is updated is based on the
amount of bending.
3. An information device according to Claim 1, wherein
the duration of the bending is a duration of time for which
the amount of bending exceeds a predetermined value.
4. An information device according to Claim 1, wherein
it is determined that page scrolling has not been input when

the bending direction is opposite a predetermined direction.

5. An information device according to Claim 1, wherein the information is reversely updated on the display unit when the bending direction is opposite a predetermined direction.

6. An information device according to Claim 1, wherein the detection unit is provided at each of two portions of the display unit.

7. An information device according to Claim 1, wherein the detection unit includes a piezoelectric device.

8. An information device according to Claim 1, wherein the detection unit includes a piezoelectric polymer.

9. An information device according to Claim 8, wherein the piezoelectric polymer is polyvinylidene fluoride.

10. An information device according to Claim 1, wherein the flexible display unit displays the information in a single-sided format.

11. An information device according to Claim 1,

wherein the flexible display unit displays the information in a double-sided format.

12. A method for displaying information on an information device displaying electronic pages on a flexible display unit, the method comprising:

determining page information to be displayed;

displaying the page information on the flexible display unit;

accepting user input;

determining if the user input is a scroll request based on at least one of a bending direction, an amount of bending, and a duration that the flexible display unit is bent;

if the user input is a scroll request, determining new page information to be displayed based on the scroll request; and

displaying the new page information on the flexible display unit.

13. A method according to Claim 12, wherein a speed at which the information is updated on the flexible unit display is based on the amount of bending.

14. A method according to Claim 12, wherein the duration of the bending is a duration of time for which the

amount of bending exceeds a predetermined value.

15. A method according to Claim 12, wherein if the bending direction is opposite a predetermined direction, it is determined that the user input is not a scroll request.

16. A method according to Claim 12, wherein if the bending direction is opposite a predetermined direction, it is determined that the user input a reverse scroll request and the new page information is information occurring prior to the page information displayed on the flexible display unit.

17. A method according to Claim 12, wherein the flexible display unit displays the page information in a single-sided format.

18. A method according to Claim 12, wherein the flexible display unit displays the information in a double-sided format.